

IN THE CLAIMS

1. (currently amended): An optical device for a plane image input device, characterized in that: the optical device is associated with an illuminating source of the plane image input device and the optical device comprises a body which includes an incident end and an emergent end, wherein a light beam emitted by the illuminating source enters the body via the incident end, undergoes a total reflection, and emerges from the emergent end;

wherein the body includes the incident end, the emergent end, a first reflector, a second reflector, a third reflector, a fourth reflector, a first junction surface, and a second junction surface; the first reflector coupled to the incident end, the first reflector connected to the first junction surface at an angle of 135 degrees, the first junction surface connected with the emergent end, the second reflector connected to the emergent end, the second reflector coupled to the third reflector at an angle of 90 degrees, the second junction surface connected to each of the third reflector and to the fourth reflector at an angle of 135 degrees, and the fourth reflector connected to the incident end.

2. (canceled)

3. (currently amended): The optical device of claim [[2,]] 1, wherein the incident end is planar.

4. (currently amended): The optical device of claim [[2,]] 1, wherein the incident end is convex.

5. (currently amended): The optical device of claim [[2,]] 1, wherein the emergent end is planar.

6. (currently amended): The optical device of claim [[2,]] 1, wherein the emergent end is convex.

7. (currently amended): The optical device of claim [[2,]] 1, wherein the body comprises a first device [[and]] coupled to a second device, the first device includes the incident end, the fourth reflector, the second junction surface, the third reflector, and a first touching surface, with the first touching surface connecting to the incident end and the third reflector, and the second device includes the first reflector, the first junction surface, the incident end, the second reflector, and a second touching surface, with the second touching surface connecting to the first reflector and the second reflector, the first touching surface of the first device touching against the second touching surface of the second device.

8. (currently amended): The optical device of claim 7, wherein the first touching surface [[has]] includes a plurality of convex surfaces corresponding to the second touching surface which is flat.

9. (currently amended): The optical device of claim 7, wherein the second touching surface [[has]] includes a plurality of convex surfaces corresponding to the first touching surface which is flat.

10 (new): The optical device of claim 1, wherein the body is integral.